

Life Fitness Stairclimbers and Lifecycle Exercise Bikes

How To...REPLACE A PRESTOLITE ALTERNATOR WITH A MANDO ALTERNATOR

Tools Required: Phillips screwdriver, 3/4", 5/16", 1/2" and 1/4" wrenches.

WARNING: Turn the power OFF at the ON/OFF switch and disconnect the plug from the electrical outlet prior to servicing any machine operating on AC current.

Removing the Prestolite Alternator/Pulley Assembly

Step 1

Remove the SHROUDS from the machine.

Step 2

Loosen the ALTERNATOR PIVOT and ADJUSTMENT BOLTS to relieve tension from the PULLEY BELT.

Step 3

With a wrench, remove the FIELD EXCITATION, FIELD RETURN, AC TAP and GROUND TERMINAL NUTS.

NOTE THE WIRE LOCATIONS BEFORE REMOVING THEM FROM THEIR RESPECTIVE TERMINALS.

Step 4

Remove the ALTERNATOR PIVOT and ADJUSTMENT BOLTS and lift the worn PRESTOLITE ALTERNATOR/PULLEY ASSEMBLY from the machine.

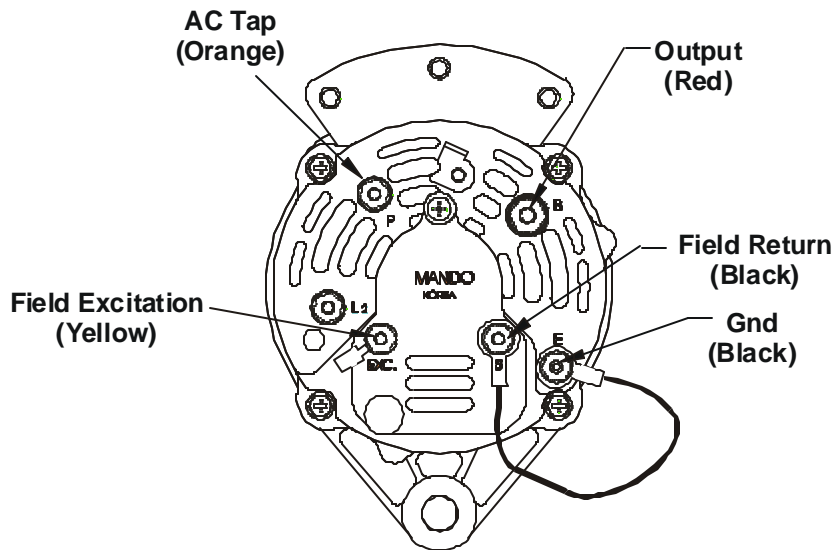
Installing the Mando Alternator/Pulley Assembly

Step 5

Install the new MANDO ALTERNATOR/PULLEY ASSEMBLY in its place, but replace the ALTERNATOR PIVOT and ADJUSTMENT BOLTS finger tight only.

Step 6

Install the ADAPTER JUMPER CABLE between the FIELD RETURN and the GROUND of the MANDO ALTERNATOR. Locate the male QUICK CONNECT TAB on the FIELD EXCITATION terminal (both parts are included in kit). Reconnect all the wires to their respective terminals.



Step 7

Replace the PULLEY BELT on the new ALTERNATOR PULLEY. Pivot the ALTERNATOR and tension Pivot the ALTERNATOR PULLEY BELT to 60-70 LBS.

Step 8

Tighten the ALTERNATOR PIVOT and ADJUSTMENT BOLTS. Torque 5/16" BOLTS to 18-20 LBS, 1/2" BOLTS to 30-35 LBS.

NOTE: When installing new ALTERNATOR, tighten the NUT on the PIVOT BOLT before you tighten the ADJUSTMENT BOLT in order to insure proper belt tension. Both NUTS should be tightened firmly with a slight play in BELT tension (1/4" / 6mm MAX) to avoid unnecessary wear on ALTERNATOR BEARINGS.

Step 9

Replace the SHROUDS.